



KANSAS CORPORATION COMMISSION 1074672
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32158
Name: H & B Petroleum Corp.
Address 1: PO BOX 277
Address 2:
City: ELLINWOOD State: KS Zip: 67526 +
Contact Person: Al Hammersmith
Phone: (620) 564-3002
CONTRACTOR: License # 34066
Name: Trinity Oilfield Services Inc.
Wellsite Geologist: Jim Musgrove
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW

Plug Back: Plug Back Total Depth

Commingled Permit #:

Dual Completion Permit #:

SWD Permit #:

ENHR Permit #:

GSW Permit #:

08/17/2011	08/26/2011	09/29/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25285-00-00
Spot Description:
NE NW SE SW Sec. 34 Twp. 17 S. R. 21 East West
1055 Feet from North / South Line of Section
1896 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Hagelgantz Well #: 34-1
Field Name: McCormick Revival
Producing Formation: Fort Scott
Elevation: Ground: 2146 Kelly Bushing: 2155
Total Depth: 4300 Plug Back Total Depth: 4185
Amount of Surface Pipe Set and Cemented at: 273 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1405 Feet
If Alternate II completion, cement circulated from: 1415
feet depth to: 0 w/ 350 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 3200 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Gantzer Date: 02/27/2012



1074672

Operator Name: H & B Petroleum Corp. Lease Name: Hagelgantz Well #: 34-1
 Sec. 34 Twp. 17 S. R. 21 East West County: Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

List All E. Logs Run:

Attached

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Attached Attached Attached

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	274	Class A Commor	200	3%cc,2%gel
Production	7.875	4.5	10.5	4299	Class A Commor	150	10%salt,2%gel
Production	7.875	4.5	10.5	4299	60/40 Poz	95	4%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD	-			
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4188-4189	250 gal 15% mod	4188
	Cement retainer	110 sx common, 3%cc	4135
4	4188-4189	250 gal 15% mod	4165
4	4098-4106	1500 gal 15% NE	4068
	CIBP		4185

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>4182</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>09/29/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>32</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u> Gas-Oil Ratio <u>39</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4098-4106</u> <u>Fort Scott</u>
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Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Hagelgantz 34-1
Doc ID	1074672

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Sonic Porosity
Cement Bond

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Hagelgantz 34-1
Doc ID	1074672

Tops

Anhydrite	1405	
Heebner	3597	
Toronto	3617	
Lansing	3641	
Base Kansas City	3921	
Fort Scott	4091	
Cherokee	4114	
Mississippi	4185	

ALLIED CEMENTING CO., LLC. 037344

 REMIT TO P.O. BOX 31
 RUSSELL, KANSAS 67665

SERVICE POINT:

Cement Banks

DATE <u>8-17-2011</u>	SEC. <u>34</u>	TWP. <u>17S</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30pm</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Hagerman</u>	WELL# <u>34-1</u>	LOCATION <u>Alvander KS 3w to HHRD</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>Go to 1800d 3/4 west A into</u>					

CONTRACTOR Sentiswind Rig # 2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 274
 CASING SIZE 8 5/8 23# DEPTH 273
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 274
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 1504
 PERFS.
 DISPLACEMENT Freshwater

OWNER H+B Petroleum
 CEMENT
 AMOUNT ORDERED 200 sac Cem 3% cc 29gel

EQUIPMENT
 PUMP TRUCK CEMENTER Bob R
 # 366 HELPER Doug K
 BULK TRUCK
 # 344-170 DRIVER Karin W.
 BULK TRUCK
 # DRIVER

COMMON <u>200</u>	@ <u>16.25</u>	<u>3250.00</u>
POZMIX	@	
GEL <u>4</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE <u>7</u>	@ <u>58.20</u>	<u>407.40</u>
ASC	@	
HANDLING <u>211</u>	@ <u>2.25</u>	<u>474.75</u>
MILEAGE <u>211</u> @ <u>2.74</u>		<u>577.01</u>
TOTAL		<u>4774.16</u>

REMARKS:

Pipe on bottom broke circulation with rig mud, mix 200 sac Common 3% cc 29gel with 31 bbl water. Cement did circulate. Replace with 1643 bbls water, shut in rig down.

SERVICE

DEPTH OF JOB <u>273</u>		
PUMP TRUCK CHARGE		<u>1125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>HUM 48</u>	@ <u>7.00</u>	<u>336.00</u>
MANIFOLD	@	
<u>LUM 48</u>	@ <u>4.00</u>	<u>192.00</u>
TOTAL		<u>1653.00</u>

CHARGE TO: H+B Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		_____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME William Sanders
 SIGNATURE William Sanders

SALES TAX (If Any) _____
 TOTAL CHARGES 6,427.17
 DISCOUNT 20% 1,827.93 IF PAID IN 30 DAYS
4,599.24

Thank you

ALLIED CEMENTING CO., LLC. 038163

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell Ks.
08-27-2011

DATE <i>8-26-2011</i>	SEC. <i>34</i>	TWP. <i>17 S</i>	RANGE <i>21 W</i>	CALLED OUT	ON LOCATION	JOB START <i>4:00 AM</i>	JOB FINISH <i>4:30 AM</i>
LEASE <i>66624720</i>		WELL # <i>34-1</i>		LOCATION <i>Alexandria Ks, 4 1/2 W To H-H</i>		COUNTY <i>Neosho</i>	STATE <i>Kansas</i>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		LOCATION <i>4 N 1/2 W 1/4 N T17R</i>					

CONTRACTOR *Production Drilling Rig #2* OWNER _____

TYPE OF JOB *Production Staging*

HOLE SIZE *7 7/8* ID. *4300 RTD* CEMENT AMOUNT ORDERED *150 Sx Com, 108 Salt*

CASING SIZE *4 1/2* NEW DEPTH *4299* AMOUNT ORDERED *95 Sx 40 2% Gel (Scavenger + Inoc 2 H2O)*

DRILL PIPE DEPTH _____ COMMON *207 @ 16.25 = 3329.75*

TOOL PORT Collar DEPTH *1918* POZ MIX *38 @ 8.50 = 323.00*

PRES. MAX *1500* MINIMUM _____ GEL *6 @ 21.25 = 127.50*

MEAS. LINE _____ SHOE JOINT *19'* CHLORIDE _____

CEMENT LEFT IN CSG. *19'* ASC _____

PERFS. _____

DISPLACEMENT *68 BBL*

EQUIPMENT

PUMP TRUCK CEMENTER *Glenn*

417 HELPER *Wood*

BULK TRUCK _____

423 DRIVER *Ray*

BULK TRUCK _____

328 DRIVER *Walt*

HANDLING *264 @ 2.25 = 594.00*

MILEAGE *11/16 @ 20 = 580.00*

TOTAL *5300.40*

REMARKS:

Run ITS of New # 4 1/2 CSG, Set @ 4299, Hook-up to MUD Pump & Received Circulation, Circ. 1" HR. on Bottom Pump Sx Scavenger, Avg. Rate - Max. Depth of Job

Mixed 150 Sx Com 10% Salt 2% Gel. Clearing Pump Truck Charge

Release Plug, & Displace 68 BBL H₂O, LAND

17 1/2" Depth Plug @ 1500 # Release & (Hold)

30 Sx @ Rate

15 Sx @ Inoc 2 H₂O

THANK'S

CHARGE TO: *H & B Petroleum*

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL *2665.00*

PLUG & FLOAT EQUIPMENT

RR *Floor Shoe @ 229.00*

RR *Latex Dump Plug Assy @ 163.00*

RR *Cent Ball Loss @ 24.00 = 306.00*

RR *4-Basket's @ 189.00 = 756.00*

B. *1-Port-Collar @ 1740.00*

TOTAL *3194.00*

SALES TAX (If Any) _____

TOTAL CHARGES *11159.40*

DISCOUNT *5 1/2%* IF PAID IN 30 DAYS

PRINTED NAME *William Sanders*

SIGNATURE *William Sanders*

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

ALLIED CEMENTING CO., LLC. 038274

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

DATE: <u>9/21/11</u>	SEC: <u>34</u>	TWP: <u>17 S</u>	RANGE: <u>21 W</u>	CALLED OUT	ON LOCATION	JOB START: <u>11:50 AM</u>	JOB FINISH: <u>12:30 PM</u>
LEASE: <u>Hagerlantz</u>	WELL: <u>34-1</u>	LOCATION: <u>Alexander 3 W N A</u>		COUNTY: <u>NEOSHO</u>	STATE: <u>KS</u>		
OLD OR NEW (Circle one)			<u>190 rd 1/2 W NWK</u>				

CONTRACTOR: <u>Trinity Oilfield Services</u>		OWNER:
TYPE OF JOB: <u>P.C.</u>		
HOLE SIZE: <u>7 3/4"</u>	T.D.	CEMENT
CASING SIZE: <u>4 1/2"</u>	DEPTH	AMOUNT ORDERED: <u>350 @ 6% 6.8.6.1</u>
TUBING SIZE: <u>2 3/8"</u>	DEPTH	<u>14 # 1/2"</u>
DRILL PIPE	DEPTH	<u>20 Gal on side</u>
TOOL	DEPTH	
PRES. MAX: <u>1000 PSI</u>	MINIMUM	COMMON: <u>310 @ 14.25 = 341.25</u>
MEAS. LINE	SHOE JOINT	POZMIX: <u>140 @ 8.50 = 1190.00</u>
CEMENT LEFT IN CSG.		GEL: <u>38 @ 21.25 = 807.50</u>
PERFS.		CHLORIDE
DISPLACEMENT: <u>4.5 MI</u>		ASC
EQUIPMENT		
PUMP TRUCK # <u>409</u>	CEMENTER: <u>Shane</u>	
	HELPER: <u>Tony</u>	
BULK TRUCK # <u>477</u>	DRIVER: <u>Cody</u>	
BULK TRUCK #	DRIVER	
HANDLING: <u>388 @ 2.25 = 873.00</u>		
MILEAGE: <u>388/20/1.11 @ 2.00 = 853.60</u>		
TOTAL: <u>4065.35</u>		

REMARKS:

RD 3350' Tied on Tubin.
Turned hole with 48 1/2" bit
Tested hole to 1000psi. Opened
P.C. mixed 20% gel for
Legal then mixed 35% gel
Central Circulated. Displaced
4.5 MI. Closed P.C. Tested
to 1000psi. Run 5 1/2" worked
Clean.

CHARGE TO: H & B Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB: <u>1100</u>		
PUMP TRUCK CHARGE		<u>19.25</u>
EXTRA FOOTAGE		
MILEAGE: <u>40 @ 7.00</u>		<u>280.00</u>
MANIFOLD		
<u>40 @ 4.00</u>		<u>160.00</u>
TOTAL:		<u>2365</u>

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL:		_____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME: Mike Hammersmith

SIGNATURE: Mike Hammersmith

SALES TAX (If Any) _____

TOTAL CHARGES: 6430.35

DISCOUNT: 0% IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 038276

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell Ks.

DATE <u>9-9-2011</u>	SEC. <u>12</u>	TWP. <u>20S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>HAGELAUTZE</u>	WELL # <u>34-1</u>	LOCATION <u>Alexander KS, 4 1/2 W 10" H.M."</u>			COUNTY <u>Ness</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Trinity Well Service
 TYPE OF JOB Squeeze (Cement Retainer)
 HOLE SIZE T.D.
 CASING SIZE 4 1/2 DEPTH
 TUBING SIZE 2 3/8 DEPTH
 DRILL PIPE DEPTH CHARIS P.
 TOOL Rein Hardt Oil Tools DEPTH 4135' Retainer
 PRES. MAX 2000 # MINIMUM 500 #
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS. @ 4188 - 4189
 DISPLACEMENT T-16 BBL

OWNER
 CEMENT 110 SX
 AMOUNT ORDERED 110 SX Com 38cc

EQUIPMENT
 PUMP TRUCK CEMENTER Gleason
 # 419 HELPER Woody
 BULK TRUCK
 # 378 DRIVER Tony
 BULK TRUCK
 # DRIVER

COMMON <u>110</u>	@ <u>16.25</u>	<u>1787.50</u>
POZMIX	@	
GEL	@	
CHLORIDE <u>4</u>	@ <u>58.20</u>	<u>232.80</u>
ASC	@	
HANDLING <u>114</u>	@ <u>3.00</u>	<u>342.00</u>
MILEAGE <u>111/16/10.20</u>	@ <u>2.50</u>	<u>277.50</u>
TOTAL		<u>2615.10</u>

*GOT APPROX (75) SX OUT INTO FORMATION
 REMARKS:

Ser. Cement Retainer @ 4135' (Perf @ 4188-89)
Load Backside, Sting into Retainer +
Took Injection Rate of 1BPM @ 1,000 #
Mixed 110 SX Cement, & Pressured to 1500 #.
Clear Line & Displaced 7 BBL Behind
Cement (1800') & Pressured to 2,000 # (Held)
Pull out of Retainer, & Washed Clear
Short-way (2788) Came out of Hole.
THANK'S

SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE 1650.00
 EXTRA FOOTAGE @
 MILEAGE 40 @ 7.00 280.00
 MANIFOLD yes
40 @ 4.00 160.00
 TOTAL 1490.00

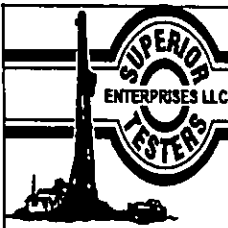
CHARGE TO: H & B PETROLEUM
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 @
 TOTAL

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
 TOTAL CHARGES 4105.10
 DISCOUNT 50/20 IF PAID IN 30 DAYS

PRINTED NAME Jeremy Brady
 SIGNATURE [Signature]



DRILL STEM TEST REPORT

H&B Petroleum
 Po Box Petroleum Blinn ood
 Kansas 67526
 ATTN: Josh Austin

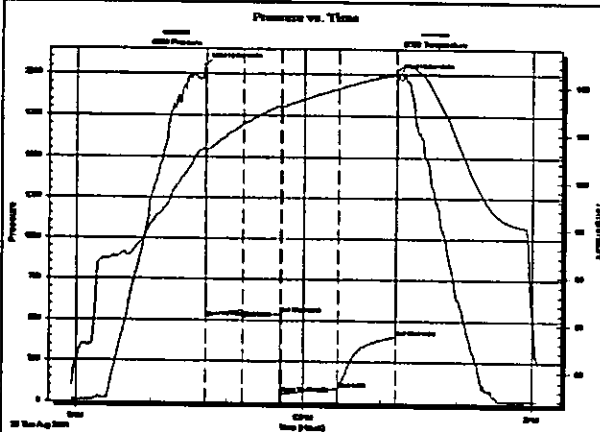
Hagelgantz 34-1
 34-17s-21w Ness
 Job Ticket: 16571 DST#: 1
 Test Start: 2011.08.23 @ 08:55:00

GENERAL INFORMATION:

Formation: Fort Scott
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:43:30
 Time Test Ended: 15:05:00
 Interval: 4085.00 ft (KB) To 4113.00 ft (KB) (TVD)
 Total Depth: 4113.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-GB-135
 Reference Elevations: 2153.00 ft (KB)
 2144.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6663 Outside
 Press@RunDepth: 85.62 psia @ 4110.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.08.23 End Date: 2011.08.23 Last Calib.: 2011.08.23
 Start Time: 08:56:00 End Time: 15:05:00 Time On Btm: 2011.08.23 @ 10:42:30
 Time Off Btm: 2011.08.23 @ 13:13:00

TEST COMMENT: 1st open 30 minutes Weak blow then died off
 1st shut in 30 minutes No blow back
 2nd open 45 minutes Strong blow to bottom of bucket in 5 minutes
 2nd shut in 45 minutes Yes blow back



PRESSURE SUMMARY

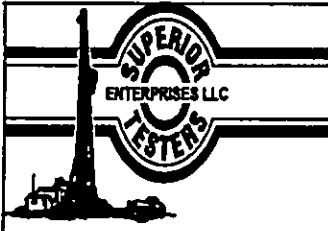
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2053.00	103.56	Initial Hydro-static
1	519.34	103.26	Open To Flow (1)
30	561.50	106.06	Shut-in(1)
60	540.13	108.05	End Shut-in(1)
61	54.36	107.92	Open To Flow (2)
105	85.62	109.82	Shut-in(2)
150	405.06	111.32	End Shut-in(2)
151	1995.98	111.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	muddy cut oil 40% oil 60% mud	0.84
30.00	oily gasy mud 5% mud 60% oil 35% gas	0.42
0.00	3086 foot gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcfd)



DRILL STEM TEST REPORT

H&B Petroleum
 Po Box Petroleum Elinwood
 Kansas 67526
 ATTN: Josh Austin

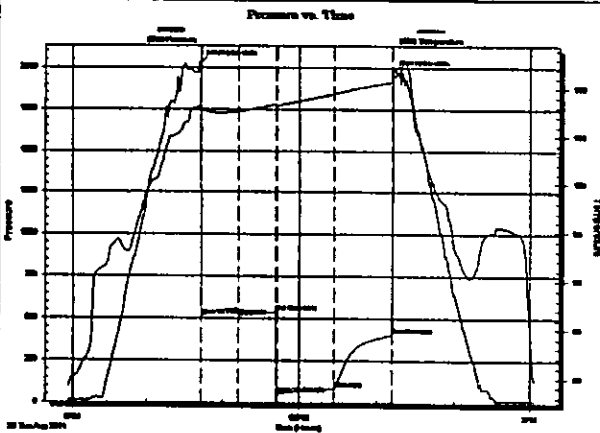
Hagelgantz 34-1
 34-17a-21w Ness
 Job Ticket: 16571 DST#: 1
 Test Start: 2011.08.23 @ 08:55:00

GENERAL INFORMATION:

Formation: Fort Scott
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:43:30 Tester: Dustin Ellis
 Time Test Ended: 15:05:00 Unit No: 3315-GB-135
 Interval: 4085.00 ft (KB) To 4113.00 ft (KB) (TVD)
 Total Depth: 4113.00 ft (KB) (TVD) Reference Elevations: 2153.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2144.00 ft (CF)
 9.00 ft

Serial #: 6806 Inside
 Press@RunDepth: 404.80 psia @ 4109.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.08.23 End Date: 2011.08.23 Last Calib.: 2011.08.23
 Start Time: 08:56:00 End Time: 15:05:00 Time On Btm: 2011.08.23 @ 10:42:30
 Time Off Btm: 2011.08.23 @ 13:12:30

TEST COMMENT: 1st open 30 minutes Weak blow then died off
 1st shut in 30 minutes No blow back
 2nd open 45 minutes Strong blow blew to bottom of bucket in 5 minutes
 2nd shut in 45 minutes Yes blow back



PRESSURE SUMMARY

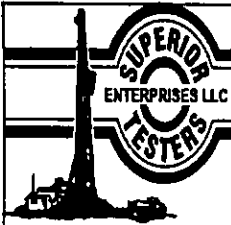
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2033.41	108.23	Initial Hydro-static
1	519.18	107.79	Open To Flow (1)
30	561.72	107.61	Shut-in(1)
60	540.24	108.33	End Shut-in(1)
61	53.82	108.23	Open To Flow (2)
105	85.98	109.42	Shut-in(2)
150	404.80	110.69	End Shut-in(2)
150	1977.47	111.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	muddy cut oil 40% oil 60% mud	0.84
30.00	oily gasy mud 5% mud 60% oil 35% gas	0.42
0.00	3086 foot gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum

Hagelgantz 34-1

Po Box Petroleum Ellinwood
Kansas 67526

34-17e-21w Ness

Job Ticket: 16571

DST#: 1

ATTN: Josh Austin

Test Start: 2011.08.23 @ 08:55:00

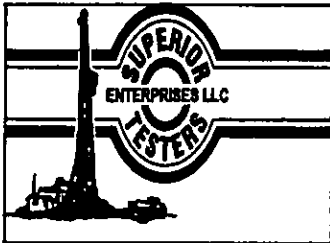
Tool Information

Drill Pipe:	Length: 4076.00 ft	Diameter: 3.80 inches	Volume: 57.18 bbl	Tool Weight:	2000.00 b
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 b
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 b
			<u>Total Volume: 57.18 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	44000.00 b
Depth to Top Packer:	4085.00 ft			Final	45000.00 b
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4070.00	
Hydraulic Tool	5.00			4075.00	
Packer	5.00			4080.00	20.00 Bottom Of Top Packer
Packer	5.00			4085.00	
Perforations	23.00			4108.00	
Recorder	1.00	6806	Inside	4109.00	
Recorder	1.00	6663	Outside	4110.00	
Bull Plug	3.00			4113.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum

Hageigantz 34-1

Po Box Petroleum Ellinwood
Kansas 67526

34-17s-21w Ness

Job Ticket: 16571 DST#: 1

ATTN: Josh Austin

Test Start: 2011.08.23 @ 08:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 71.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	muddy cut oil 40%oil 60% mud	0.842
30.00	oily gasy mud 5%mud60%oil 35% gas	0.421
0.00	3086 foot gas in pipe	0.000

Total Length: 90.00 ft Total Volume: 1.263 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

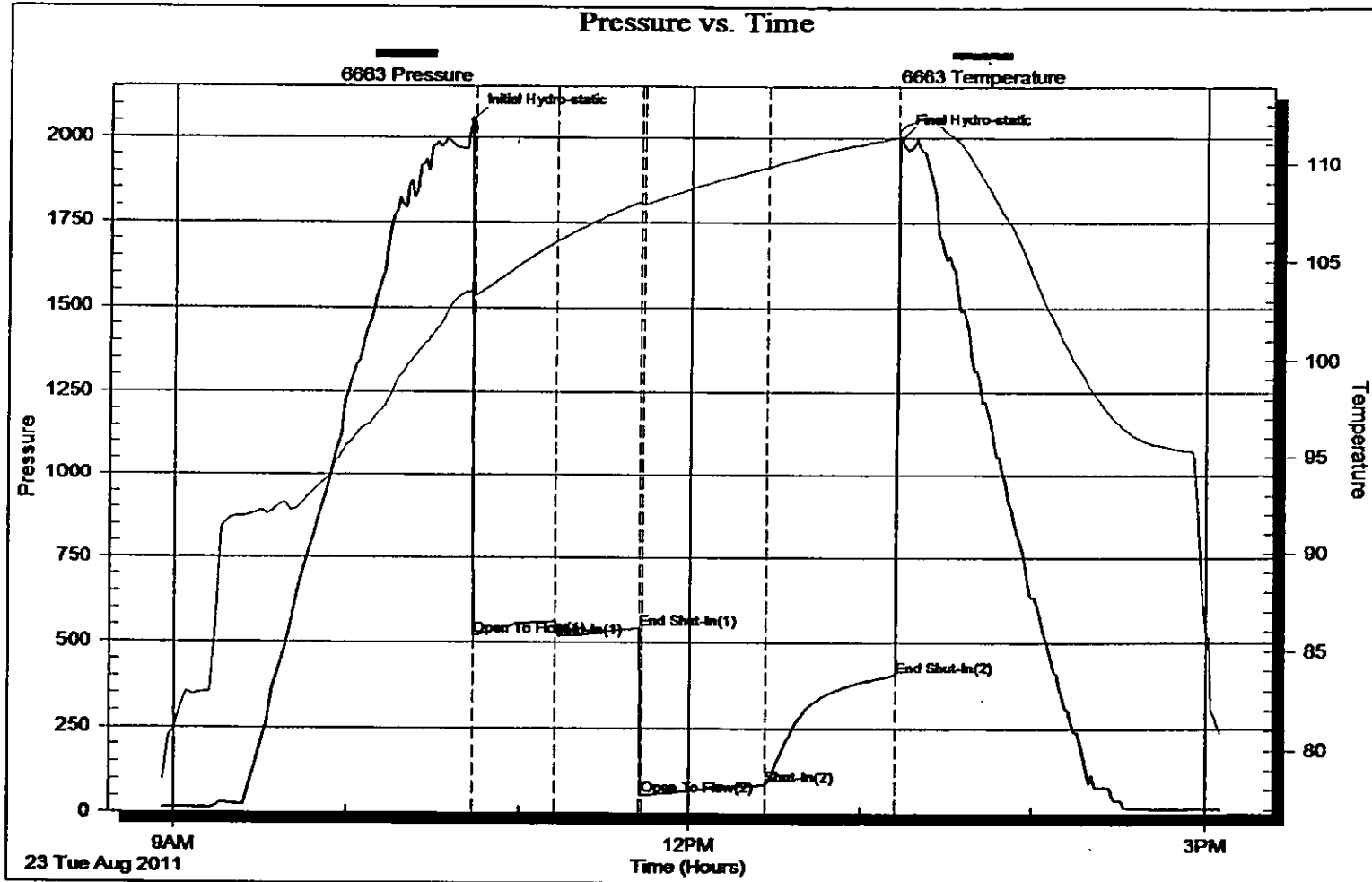
Recovery Comments:

Serial #: 6663

Outside H&B Petroleum

34-17s-21w Ness

DST Test Number: 1

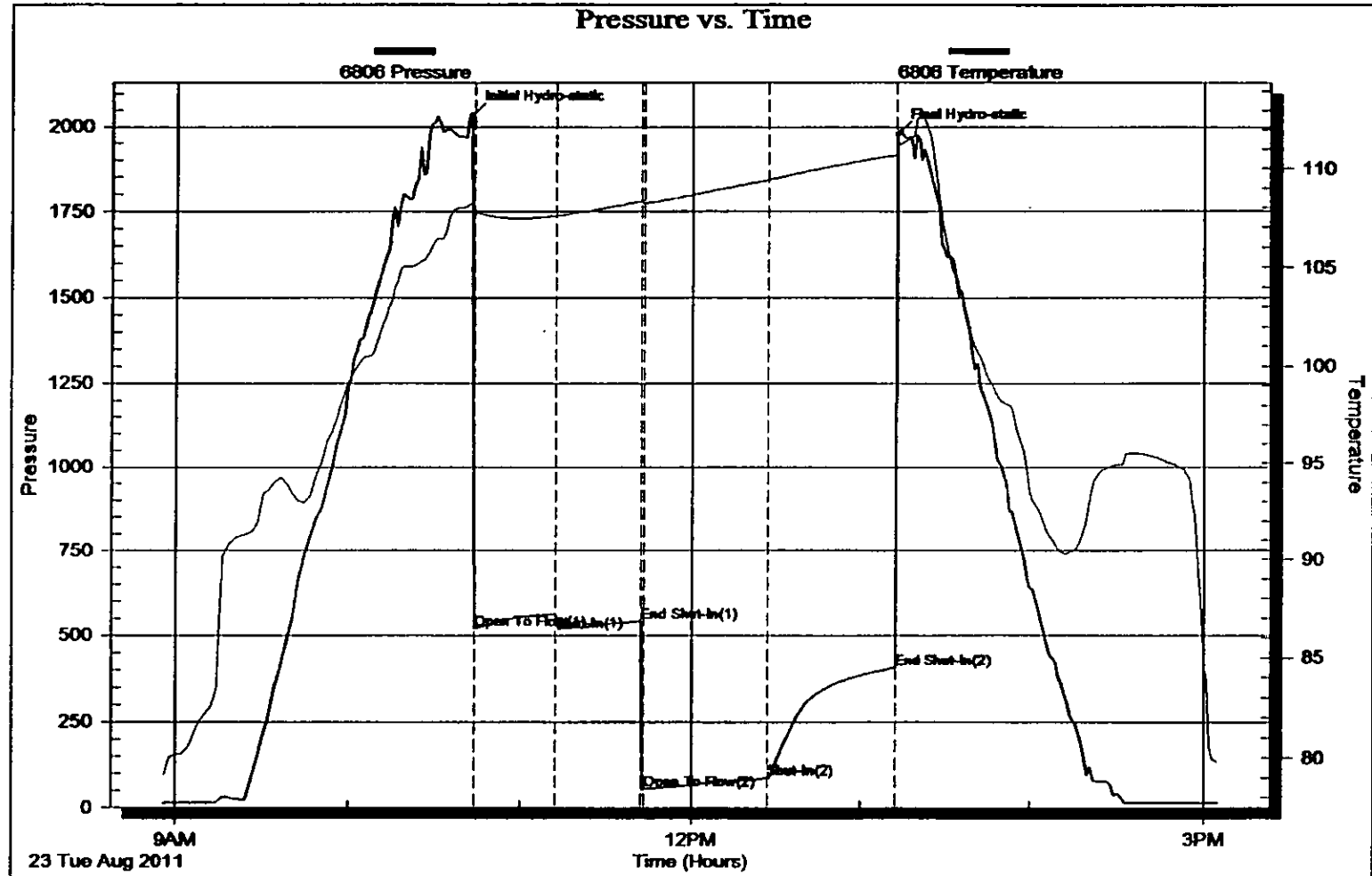


Serial #: 6806

Inside H&B Petroleum

34-17s-21w Ness

DST Test Number: 1





DRILL STEM TEST REPORT

H&B Petroleum

Hagelgantz 34-1

Po Box Petroleum Blinwood
Kansas 67526

34-17s-21w Ness

Job Ticket: 16572

DST#: 2

ATTN: Josh Austin

Test Start: 2011.08.24 @ 01:25:00

GENERAL INFORMATION:

Formation: Fort scott

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:08:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315 GB-135

Interval: 4110.00 ft (KB) To 4146.00 ft (KB) (TVD)

Total Depth: 4146.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2153.00 ft (KB)

2144.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6663

Outside

Press@RunDepth: 55.85 psia @ 4143.00 ft (KB)

Start Date: 2011.08.24

End Date:

2011.08.24

Start Time: 01:26:00

End Time:

07:08:00

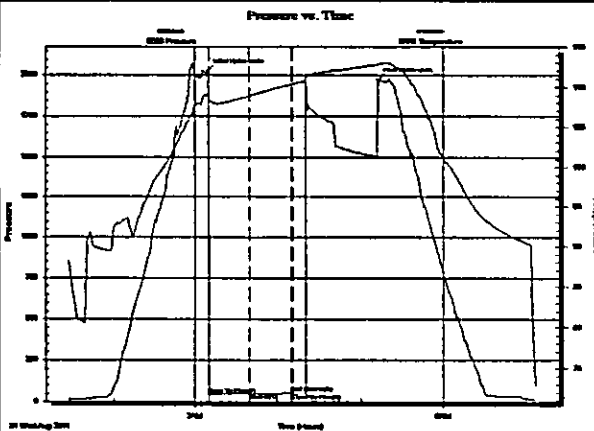
Capacity: 5000.00 psia

Last Calib.: 2011.08.24

Time On Btm: 2011.08.24 @ 03:09:30

Time Off Btm: 2011.08.24 @ 05:12:00

TEST COMMENT: 1st open 30 minutes Weak blow then died off
1st shut in 30 minutes No blow back
2nd open 30 minutes Very weak blow that died off
2nd shut in 30 minutes No blow back



PRESSURE SUMMARY

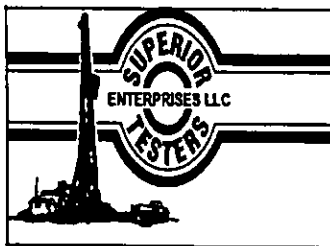
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2025.37	109.00	Initial Hydro-static
1	47.18	108.47	Open To Flow (1)
31	47.98	108.97	Shut-in(1)
61	55.85	110.38	End Shut-in(1)
62	48.72	110.41	Open To Flow (2)
71	51.79	110.77	Flushed Tool
123	1972.52	112.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	drilling mud	0.01

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mc/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum
 Po Box Petroleum Blinwood
 Kansas 67526
 ATTN: Josh Austin

Hagelgantz 34-1
 34-17s-21w Ness
 Job Ticket: 16572 DST#: 2
 Test Start: 2011.08.24 @ 01:25:00

Tool Information

Drill Pipe:	Length: 4105.00 ft	Diameter: 3.80 inches	Volume: 57.58 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 57.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4110.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in Tool	5.00			4087.00	
Hydrolic Tool	5.00			4092.00	
Jars	6.00			4098.00	
Safety Joint	2.00			4100.00	
Packer	5.00			4105.00	28.00 Bottom Of Top Packer
Packer	5.00			4110.00	
Perforations	31.00			4141.00	
Recorder	1.00	6806	Inside	4142.00	
Recorder	1.00	6663	Outside	4143.00	
Bull Plug	3.00			4146.00	36.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum

Hagelantz 34-1

Po Box Petroleum Ellinwood
Kansas 67526

34-17a-21w Ness

Job Ticket: 16572

DST#: 2

ATTN: Josh Austin

Test Start: 2011.08.24 @ 01:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Satinity:

ppm

Viscosity: 71.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	drilling mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

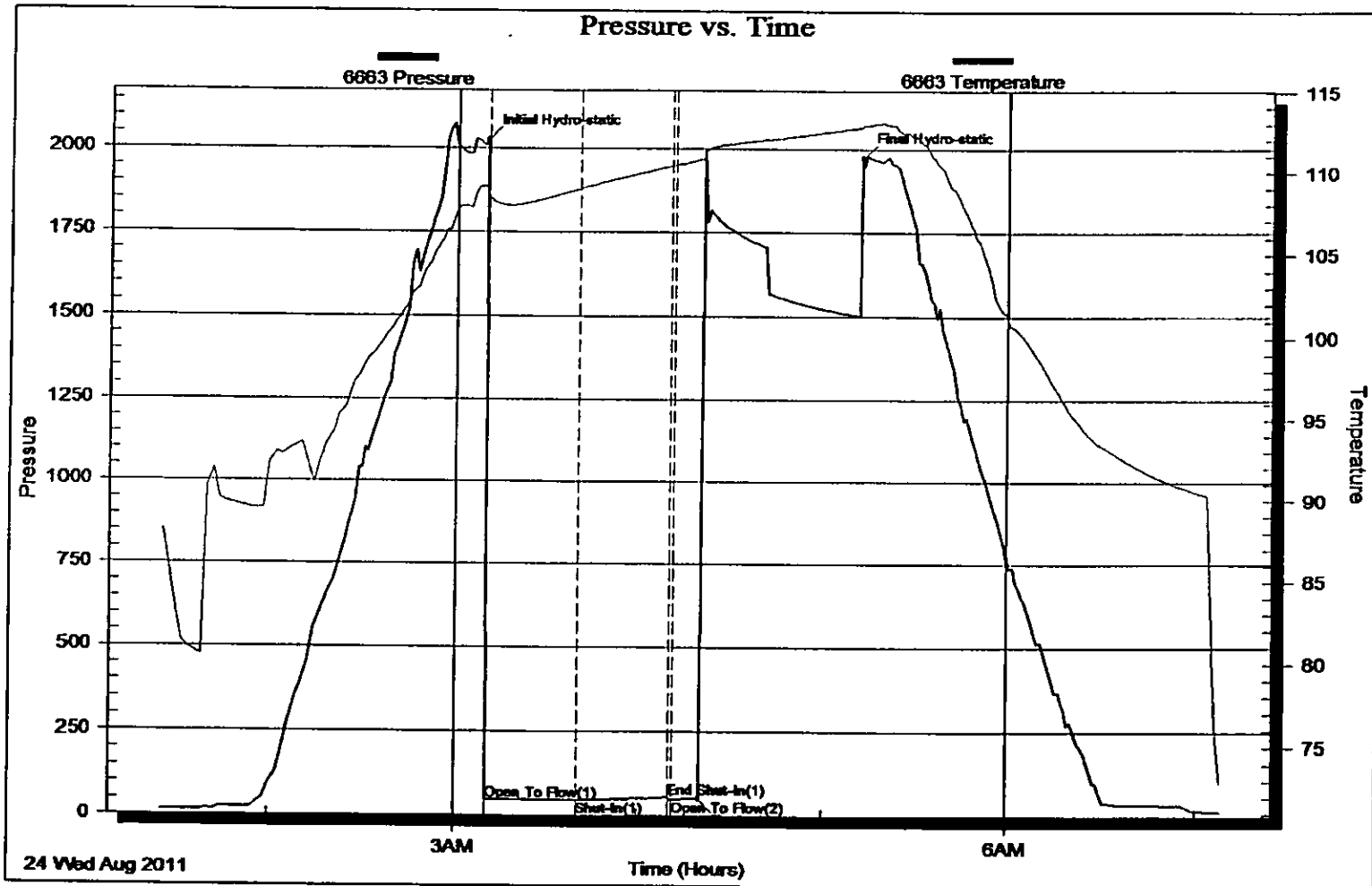
Recovery Comments:

Serial #: 6663

Outside H&B Petroleum

34-179-21w Ness

DST Test Number: 2

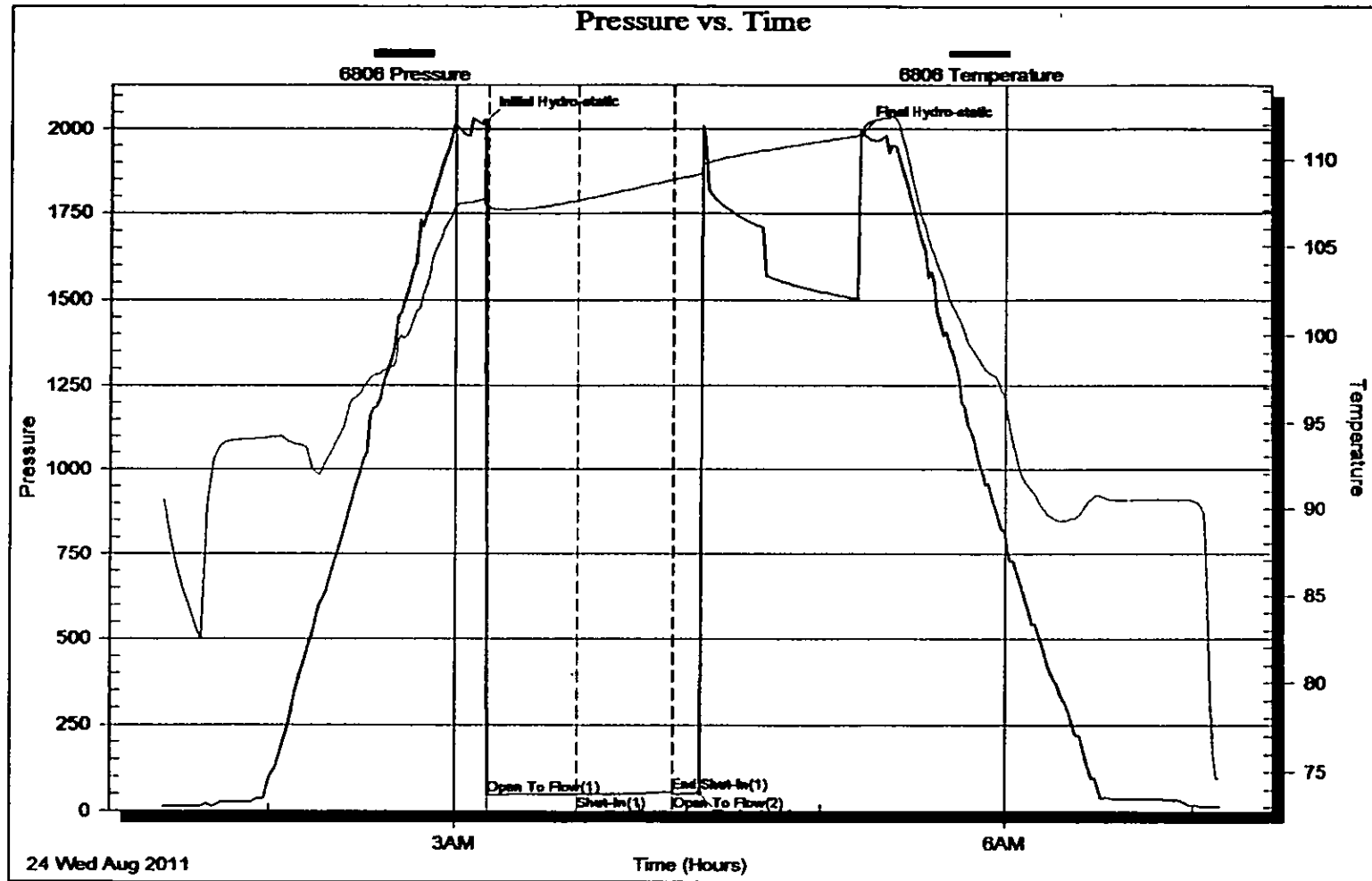


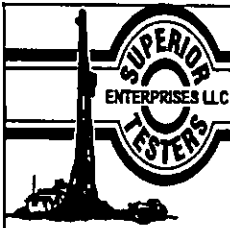
Serial #: 6806

Inside H&B Petroleum

34-17s-21w Ness

DST Test Number: 2





DRILL STEM TEST REPORT

H&B Petroleum

Hagelgantz 34-1

Po Box Petroleum Elinwood
Kansas 67526

34-17s-21w Ness

Job Ticket: 16573 DST#: 3

ATTN: Josh Austin

Test Start: 2011.08.24 @ 08:00:00

GENERAL INFORMATION:

Formation: Fort Scott- Cherokee

Deviated: No Whipstock ft (KB)

Time Tool Opened: 09:44:30

Time Test Ended: 14:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-CB-135

Interval: 4080.00 ft (KB) To 4146.00 ft (KB) (TVD)

Total Depth: 4146.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2153.00 ft (KB)

2144.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6663

Outside

Press@RunDepth: 347.75 psia @ 4143.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.08.24

End Date:

2011.08.24

Last Calib.:

2011.08.24

Start Time: 08:01:00

End Time:

14:43:00

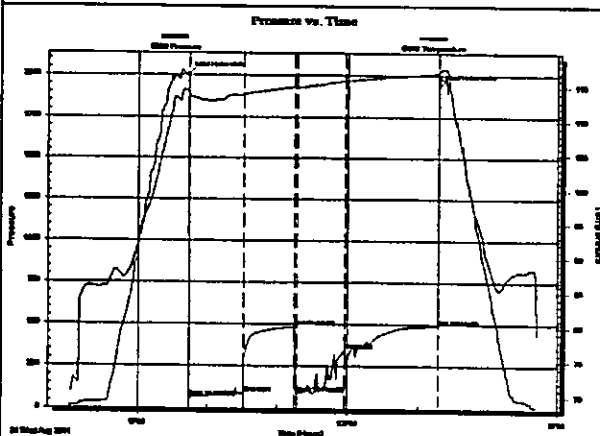
Time On Btrr:

2011.08.24 @ 09:43:30

Time Off Btrr:

2011.08.24 @ 13:18:00

TEST COMMENT: 1st open 45 minutes Weak building blow built to 4 inches into the bucket
1st shut in 45 minutes No blow back
2nd open 60 minutes Weak blow then died off
2nd shut in 90 minutes No blow back



PRESSURE SUMMARY

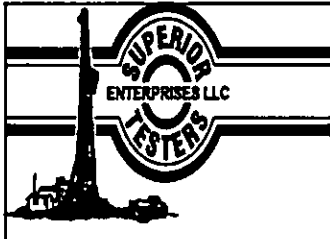
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2006.90	114.39	Initial Hydro-static
1	63.06	113.82	Open To Flow (1)
48	89.13	113.89	Shut-In(1)
92	484.41	115.04	End Shut-In(1)
94	91.14	114.93	Open To Flow (2)
134	347.75	115.88	Shut-In(2)
214	491.58	116.94	End Shut-In(2)
215	1936.22	117.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
90.00	Drilling Mud 100%	1.26

Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (MCFd)



DRILL STEM TEST REPORT

H&B Petroleum
 Po Box Petroleum Ellinwood
 Kansas 67526
 ATTN: Josh Austin

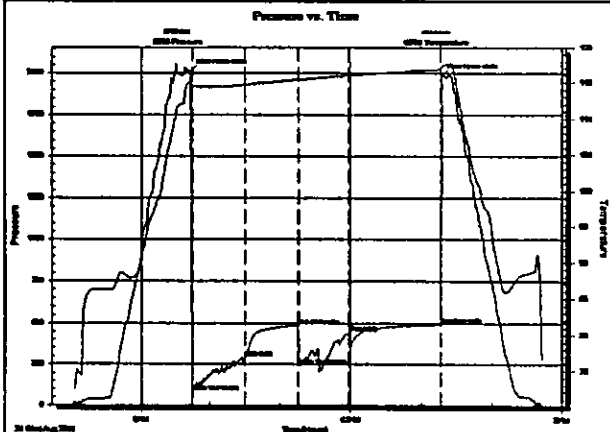
Hagelantz 34-1
34-17a-21w Ness
 Job Ticket: 16573 DST#: 3
 Test Start: 2011.08.24 @ 08:00:00

GENERAL INFORMATION:

Formation: Fort Scott- Cherokee
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:44:30 Tester: Dustin Ellis
 Time Test Ended: 14:43:00 Unit No: 3315-GB-135
 Interval: 4080.00 ft (KB) To 4146.00 ft (KB) (TVD)
 Reference Elevations: 2153.00 ft (KB)
 Total Depth: 4148.00 ft (KB) (TVD) 2144.00 ft (CF)
 Hole Diameter: 7.88 inches-Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 6806 Inside
 Press@RunDepth: 491.87 psia @ 4142.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.08.24 End Date: 2011.08.24 Last Calib.: 2011.08.24
 Start Time: 08:01:00 End Time: 14:43:30 Time On Btm: 2011.08.24 @ 09:43:30
 Time Off Btm: 2011.08.24 @ 13:17:30

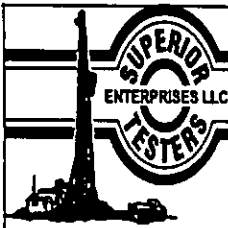
TEST COMMENT: 1st open 45 minutes Weak building blow built to 4 inches into the bucket
 1st shut in 45 minutes No blow back
 2nd open 60 minutes Weak blow then died off
 2nd shut in 90 minutes No blow back



PRESSURE SUMMARY			
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2008.78	114.99	Initial Hydro-static
2	81.84	114.51	Open To Flow (1)
47	289.42	114.64	Shut-In(1)
92	485.13	115.38	End Shut-In(1)
93	238.52	115.34	Open To Flow (2)
135	440.15	115.95	Shut-In(2)
213	491.87	116.86	End Shut-In(2)
214	1984.10	117.27	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
90.00	Drilling Mud 100%	1.26

Gas Rates		
Choke (inches)	Pressure (psia)	Gas Rate (McFD)



DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum
 Po Box Petroleum Blinwood
 Kansas 67526
 ATTN: Josh Austin

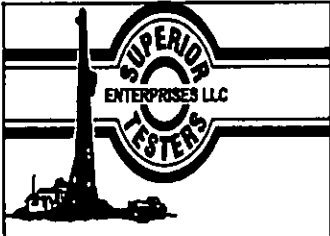
Hagelgantz 34-1
 34-17s-21w Ness
 Job Ticket: 16573 DST#: 3
 Test Start: 2011.08.24 @ 08:00:00

Tool Information

Drill Pipe:	Length: 4076.00 ft	Diameter: 3.80 inches	Volume: 57.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4080.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4057.00	
Hydraulic Tool	5.00			4062.00	
Jars	6.00			4068.00	
Safety Joint	2.00			4070.00	
Packer	5.00			4075.00	28.00 Bottom Of Top Packer
Packer	5.00			4080.00	
Perforations	0.00			4080.00	
Change Over Sub	0.75			4080.75	
Drill Pipe	32.00			4112.75	
Change Over Sub	0.75			4113.50	
Perforations	27.50			4141.00	
Recorder	1.00	6806	Inside	4142.00	
Recorder	1.00	6663	Outside	4143.00	
Bull Plug	3.00			4146.00	66.00 Bottom Packers & Anchor

Total Tool Length: 94.00



DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum

Hagelgantz 34-1

Po Box Petroleum Ellinwood
Kansas 67526

34-17e-21w Ness

Job Ticket: 16573 DST#: 3

ATTN: Josh Austin

Test Start: 2011.08.24 @ 08:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 71.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ²	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Drilling Mud 100%	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0 Num Gas Borrs: 0 Serial #:

Laboratory Name: Laboratory Location:

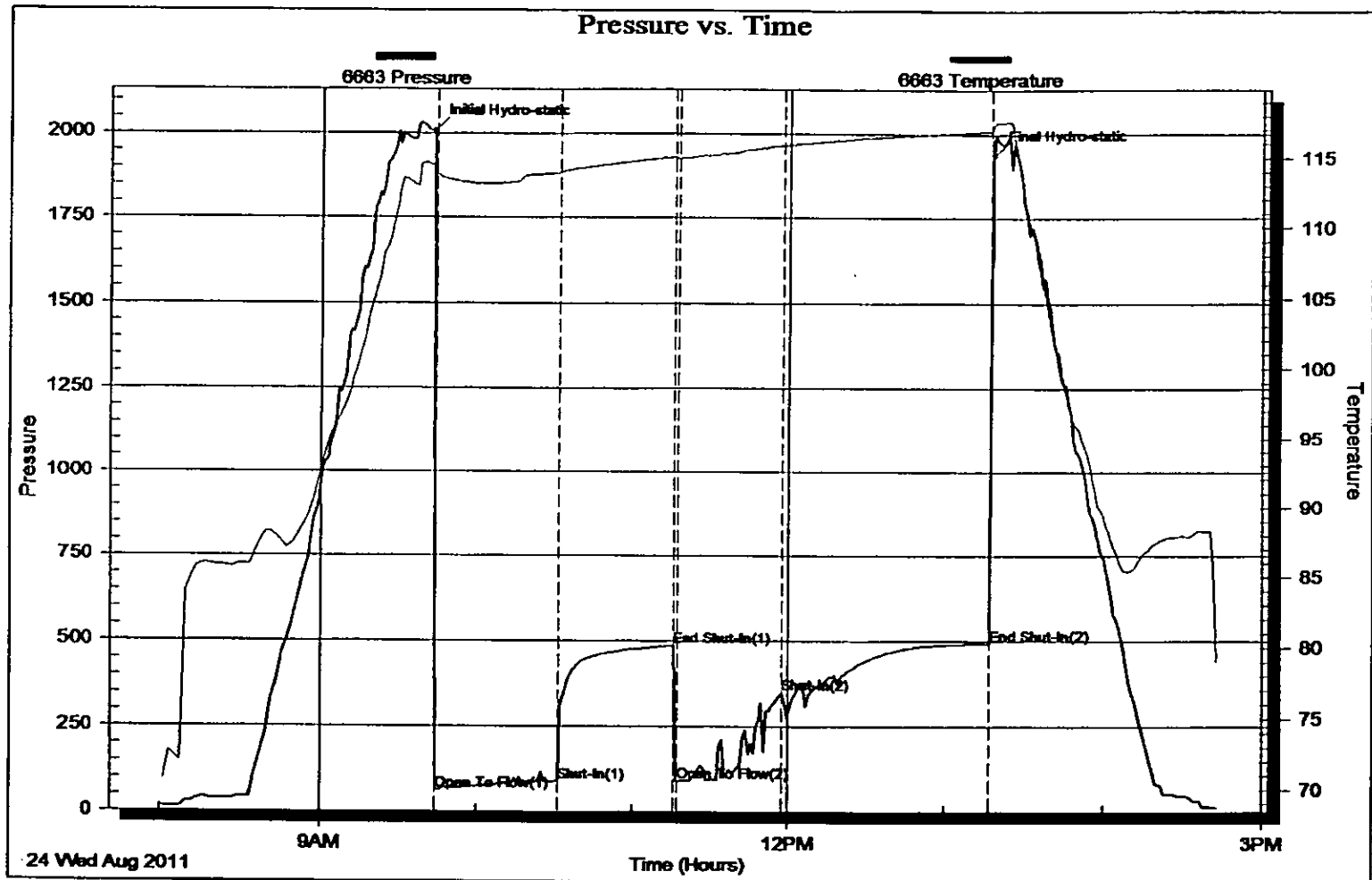
Recovery Comments:

Serial #: 6663

Outside H&B Petroleum

34-179-21w Ness

DST Test Number: 3



Serial #: 6806

Inside

H&B Petroleum

34-17a-21w Ness

DST Test Number: 3

